AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.   (Currently Amended) A method of generating characteristic data of illumination around an image display device, comprising:

obtaining predetermined illumination characteristic data of illumination around the image display device; and

making the predetermined illumination characteristic data into a data format comprising a type block and an illuminance block,

wherein the type block indicates information on a type of illumination, and the illuminance block indicates information on the illuminance of illumination,

the information on the type of illumination comprising at least one of a color temperature of illumination which is expressed by an 8-bit quantization value and a coordinate value having the range of [0,1] in chromaticity coordinates of illumination, and

the information on the illuminance of illumination being a numerical illuminance value which is represented in the units of Lux and has a value equal to or greater than 0, and wherein the type block comprises:

a flag to indicate whether data in a type payload is a color temperature value or a chromaticity coordinate value.

2.   (Previously Presented) The method of claim 1, wherein the predetermined illumination characteristic data is obtained directly from a user via an interface.

3.   (Original) The method of claim 2, wherein the predetermined illumination characteristic data comprises:

information on the type of illumination; and

information on the illuminance of illumination.

4.   (Previously Presented) The method of claim 3, wherein the information on the type of illumination is about one of an incandescent lamp, a fluorescent lamp, daylight, and skylight.

5.   (Previously Presented) The method of claim 3, wherein the information on illuminance of illumination is about one of dark, dim, bright, and very bright phases.

6.   (Previously Presented) The method of claim 1, wherein the predetermined illumination characteristic data is obtained via a measurement sensor.

7.   (Original) The method of claim 6, wherein the predetermined illumination characteristic data comprises:

information on the type of illumination; and

information on the illuminance of illumination.

8.   (Cancelled)

9.   (Cancelled)

10.   (Previously Presented) The method of claim 2, wherein the predetermined illumination characteristic data obtained by the user interface is transformed using a predetermined mapping table into the illumination characteristic data which comprises information on the type of illumination and information on the illuminance of illumination, wherein the information on the type of illumination comprises at least one of a color temperature of illumination and a coordinate value in chromaticity coordinates of illumination.

11.   (Previously Presented) The method of claim 6, wherein the predetermined illumination characteristic data obtained by the measurement sensor is transformed using a predetermined mapping table into the illumination characteristic data which comprises information on the type of illumination and information on the illuminance of illumination, wherein the information on the type of illumination is about one of an incandescent lamp, a fluorescent lamp, daylight, and skylight, and the information on illuminance of illumination is about dark, dim, bright, and very bright phases.

12.   (Currently Amended) The method of claim 1, wherein ~~the type block comprises:~~

~~a flag to indicate whether data in a type payload is a color temperature value or a chromaticity coordinate value; and~~

the type payload ~~to indicate~~ <u>indicates</u> one of the color temperature value when the flag comprises information for indicating the color temperature and the chromaticity coordinate value when the flag comprises information for indicating the chromaticity coordinate value.

13.   (Currently Amended) The method of claim [[12]] <u>1</u>, wherein the flag further comprises information for indicating whether the data in the type payload is semantic information on the type of illumination, and the type payload further comprises information on one of an incandescent lamp, a fluorescent lamp, daylight, and skylight when the flag is information indicating for semantic information.

14.   (Currently Amended) The method of claim [[12]] <u>1</u>, wherein when the flag has a value of "0", the data in the type payload is the color temperature value, and when the flag has a value of "1", the data in the type payload is x-y chromaticity coordinates.

15.   (Previously Presented) The method of claim 13, wherein when the flag has a value of "2", the data in the type payload is semantic information, and when the semantic information has a value of "0", the semantic information indicates the incandescent lamp, when the semantic information has a value of "1", the semantic

information indicates the fluorescent lamp, and when the semantic information has a value of "3", the semantic information indicates the daylight.

16.   (Original) The method of claim 1, wherein the illuminance block comprises data for indicating a numerical Lux value.

17.   (Original) The method of claim 1, wherein the illuminance block comprises:

a flag to indicate whether data in an illuminance payload is a numerical value or a semantic value; and the illuminance payload comprising the data for indicating a numerical Lux value when the flag comprises information for indicating the numerical value or one of dark, dim, bright, and very bright phases when the flag comprises information for indicating the semantic value.

18.   (Original) The method of claim 17, wherein when the flag has a value of "0", the data in the illuminance payload indicates the numerical Lux value, when the flag has a value of "1", the data in the illuminance payload indicates the semantic value, and when the semantic value is "0", the semantic value indicates the dark phase, when the semantic value is "1", the semantic value indicates the dim phase, when the semantic value is "2", the semantic value indicates the bright phase, and when the semantic value is "3", the semantic value indicates the very bright phase.

19.   (Currently Amended) An apparatus for generating characteristic data of illumination around an image display device, comprising:

an illumination characteristic obtainer which obtains characteristic data of illumination comprising information on a type and illuminance of illumination; and

an illumination characteristic data generator which makes the illumination characteristic-data into a data format comprising a type block and an illuminance block,

wherein the type block indicates information on the type of illumination, and the illuminance block indicates information on the illuminance of illumination,

the information on the type of illumination comprising at least one of a color temperature of illumination which is expressed by an 8-bit quantization value and a coordinate value having the range of [0,1] in chromaticity coordinates of illumination, and

the information on the illuminance of illumination being a numerical illuminance value which is represented in the units of Lux and has a value equal to or greater than 0,

wherein the type block comprises:

a flag to indicate whether data in a type payload is a color temperature value or a chromaticity coordinate value.

20.   (Previously Presented) The apparatus of claim 19, wherein the information on the type of illumination is about one of an incandescent lamp, a fluorescent lamp, daylight, and skylight, and the information on illuminance of illumination is about dark, dim, bright, and very bright phases.

21.   (Original) The apparatus of claim 19, wherein the information on the type of illumination comprises at least one of a color temperature of illumination and a coordinate value in chromaticity coordinates of illumination, and the information on the illuminance of illumination is a numerical illuminance value represented in the units of Lux.

22.   (Original) The apparatus of claim 19, wherein the illumination characteristic obtainer comprises at least one of a user interface and a measurement sensor, the user interface obtaining illumination characteristic data directly from a user via an interface and the measurement sensor obtaining illumination characteristic data by measuring illumination characteristics.

23.   (Currently Amended) The apparatus of claim 19, wherein ~~the type block comprises:~~

~~a flag to indicate whether data in a type payload is a color temperature value or a chromaticity coordinate value; and~~

the type payload ~~to indicate~~ indicates one of the color temperature value when the flag comprises information for indicating the color temperature and the chromaticity coordinate value when the flag comprises information for indicating the chromaticity coordinate value, and the illuminance block comprises a numerical value for indicating the illuminance of illumination.

24.   (Currently Amended) The apparatus of claim 19, wherein the type block comprises:

a flag to indicate whether data in [[a]] the type payload is a color temperature value, a chromaticity coordinate value, or semantic information on the type of illumination; and

the type payload to indicate the color temperature value when the flag comprises information for indicating the color temperature value, the chromaticity coordinate value when the flag comprises information for indicating the chromaticity coordinate value, or one of an incandescent lamp, a fluorescent lamp, daylight, and skylight when the flag comprises information for indicating the semantic information, and

the illuminance block comprises:

a flag to indicate whether data in an illuminance payload is a numerical value or a semantic value; and

the illuminance payload comprising the data for indicating a numerical Lux value when the flag comprises data for indicating the numerical value or one of dark, dim, bright, and very bright phases when the flag comprises data for indicating the semantic value.

25-39.   (Cancelled)

40.   (Currently Amended) A ~~tangible~~ computer-readable recording medium on which characteristic data of illumination is stored, comprising:

a data format comprising a type block for indicating information on a type of illumination and an illuminance block for indicating information on illuminance of illumination is recorded, wherein

the information on the type of illumination comprises at least one of a color temperature of illumination which is expressed by an 8-bit quantization value and a coordinate value having the range of [0,1] in chromaticity coordinates of illumination, and

the information on the illuminance of illumination is a numerical illuminance value which is represented in the units of Lux and has a value equal to or greater than 0,

wherein the type block comprises:

a flag to indicate whether data in a type payload is a color temperature or a chromaticity coordinate value.

41.   (Currently Amended) The computer-readable recording medium of claim 40, wherein the type block comprises:

a flag to indicate whether data in a type payload is a color temperature or a chromaticity coordinate value; and

the type payload to indicate indicates one of the color temperature value when the flag comprises information for indicating the color temperature value and the chromaticity coordinate value when the flag comprises information for indicating the chromaticity coordinate value, and

the illuminance block comprises data for indicating a numerical Lux value.

42.   (Currently Amended) A tangible computer-readable recording medium on which the invention of claim 1 is recorded as a computer-executable program.

43.   (Cancelled)